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(12) # EUROPEAN PATENT APPLICATION

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(54) **Reclining chair.**

(57) A chair (C) comprising a box type stationary frame (3) fixed to an upper end of a pole brace (1) erected on leg portions (2), an L-shaped back rest frame (5) whose lower portion (5a) is curved, a base frame (7) for mounting a seat plate (6) an inclination adjusting mechanism for controlling an inclination of the base frame (7) and the reclining frame (5) to an optional angle in which the reclining frame (5) is axially fixed to a rear portion of the stationary frame (3) and the reclining frame (5) is axially fixed to a rear end portion of the base frame (7) at its curved portion and a horizontal shaft (13) axially supported on a front portion of the base frame (7) is inserted through an almost horizontal long hole (23) provided in the front part of the stationary frame (3) and one end (28, 29) of a gas spring (24) is pivotally fixed to an inside wall of the stationary frame (3) and the other end (26) is pivotally fixed to the horizontal shaft (21), and an operation lever (8) for switching a push valve (26) of the gas spring (24), and said operation lever (8) being provided with a lever releasing keeping mechanism for keeping the push valve (26) of the gas spring (24) in open condition and keeping the inclination adjusting mechanism in free condition.

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CLAIMS

1. A chair comprising leg portions on which a pole brace is set, a box type stationary frame fixed to the pole brace, an L-shaped back rest frame whose lower front end portion is curved, a base frame for mounting a seat plate, an inclination adjusting mechanism in which the back rest frame is axially fixed to the rear portion of the stationary frame at its front end portion and the back rest frame is axially fixed to the rear end portion of the base frame at its curved portion, and a horizontal shaft is axially supported on the front portion of the base frame, and an almost horizontal long hole is perforated in the front part of the stationary frame, and the horizontal shaft is made to insert through the long hole, and one end of a gas spring is pivotally fixed to the inside wall of the stationary frame, and the other end is pivotally fixed to the horizontal shaft, and the back rest frame and the base frame are controlled to an optional angle, and an operation lever for switching a push valve of the gas spring.

2. A chair comprising leg portions on which a pole brace is set, a box type stationary frame fixed to the pole brace, an L-shaped back rest frame whose lower front end portion is curved, a base frame for mounting a seat plate, an inclination adjusting mechanism in which the back rest frame is axially fixed to the rear portion of the stationary frame at its front

end portion and the back rest frame is axially fixed to the rear end portion of the base frame at its curved portion, and a horizontal shaft is axially supported on the front portion of the base frame, and an almost horizontal long hole is perforated in the front part of the stationary frame, and the horizontal shaft is made to insert through the long hole, and one end of a gas spring is pivotally fixed to the inside wall of the stationary frame, and the other end is pivotally fixed to the horizontal shaft, and the back rest frame and the base frame are controlled to an optional angle, an operation lever for switching a push valve of the gas spring, and the operation lever is axially fixed to a receiving portion provided on the base frame, and a stopper member axially fixed to the operation lever movably in back and forth in the axial direction, and a front end portion of the stopper member is fitted in the gap between the operation lever and the receiving portion to hold the push valve of the gas spring in open condition.

FIG. 1

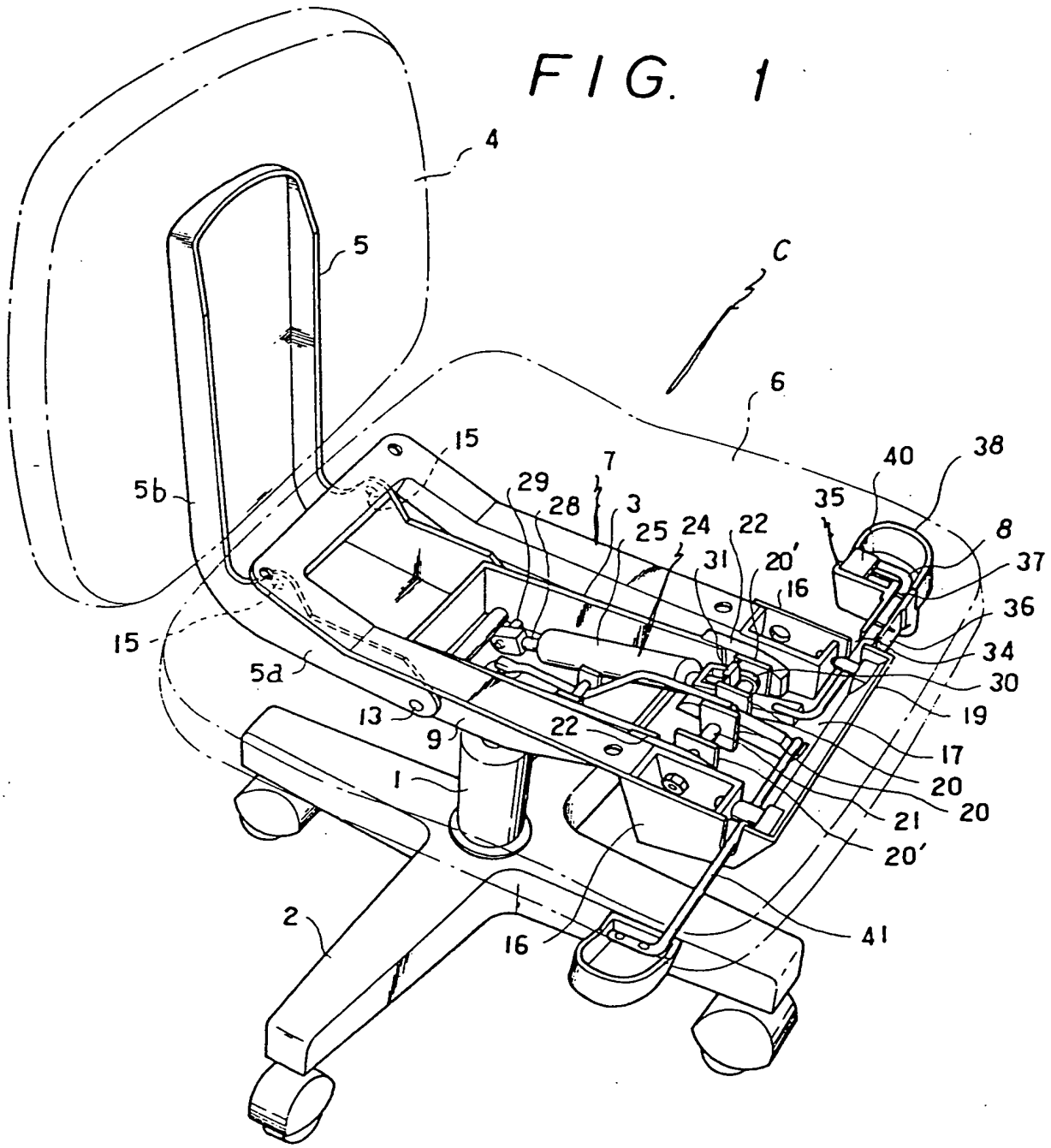
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FIG. 2

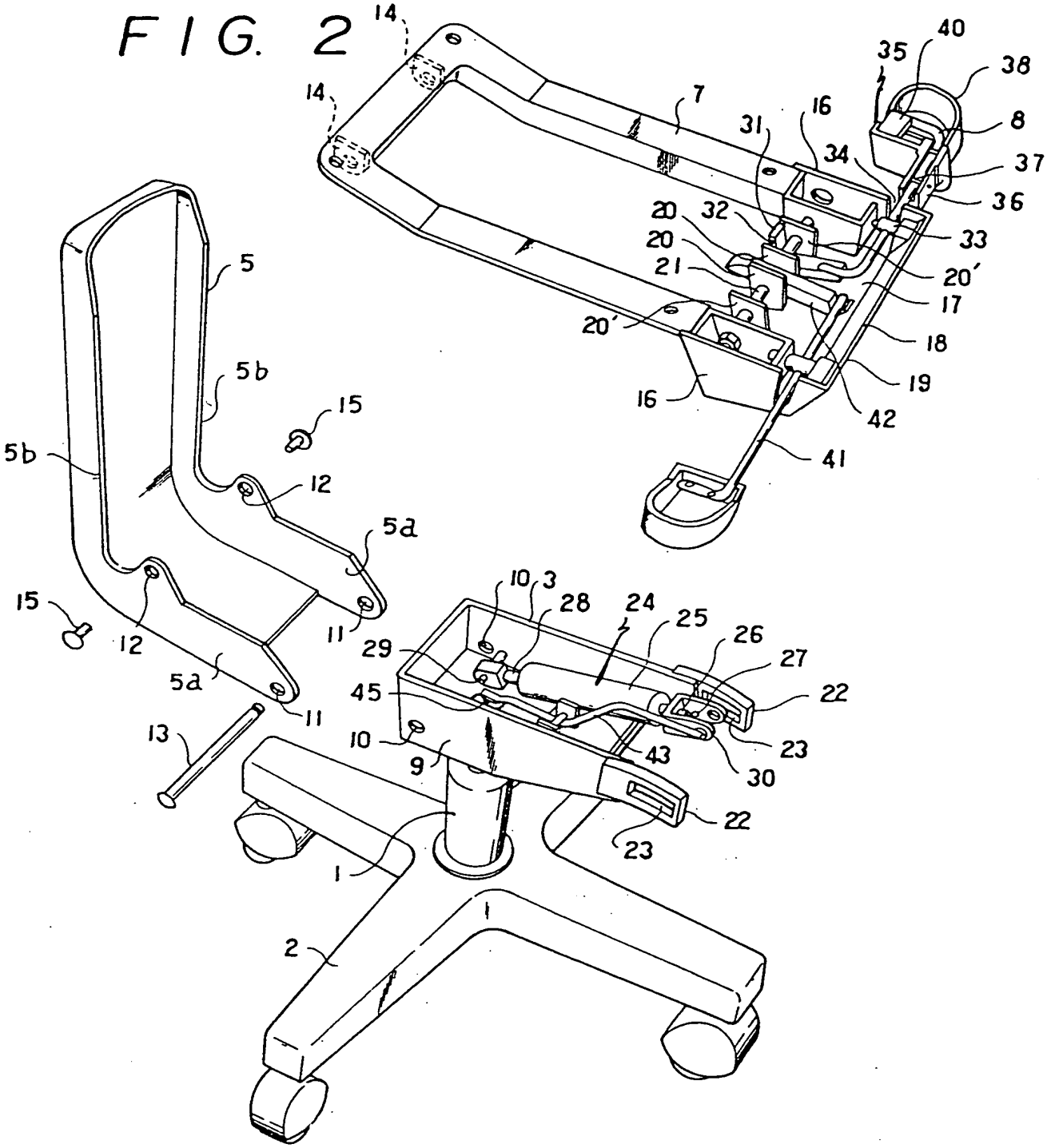
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FIG. 3

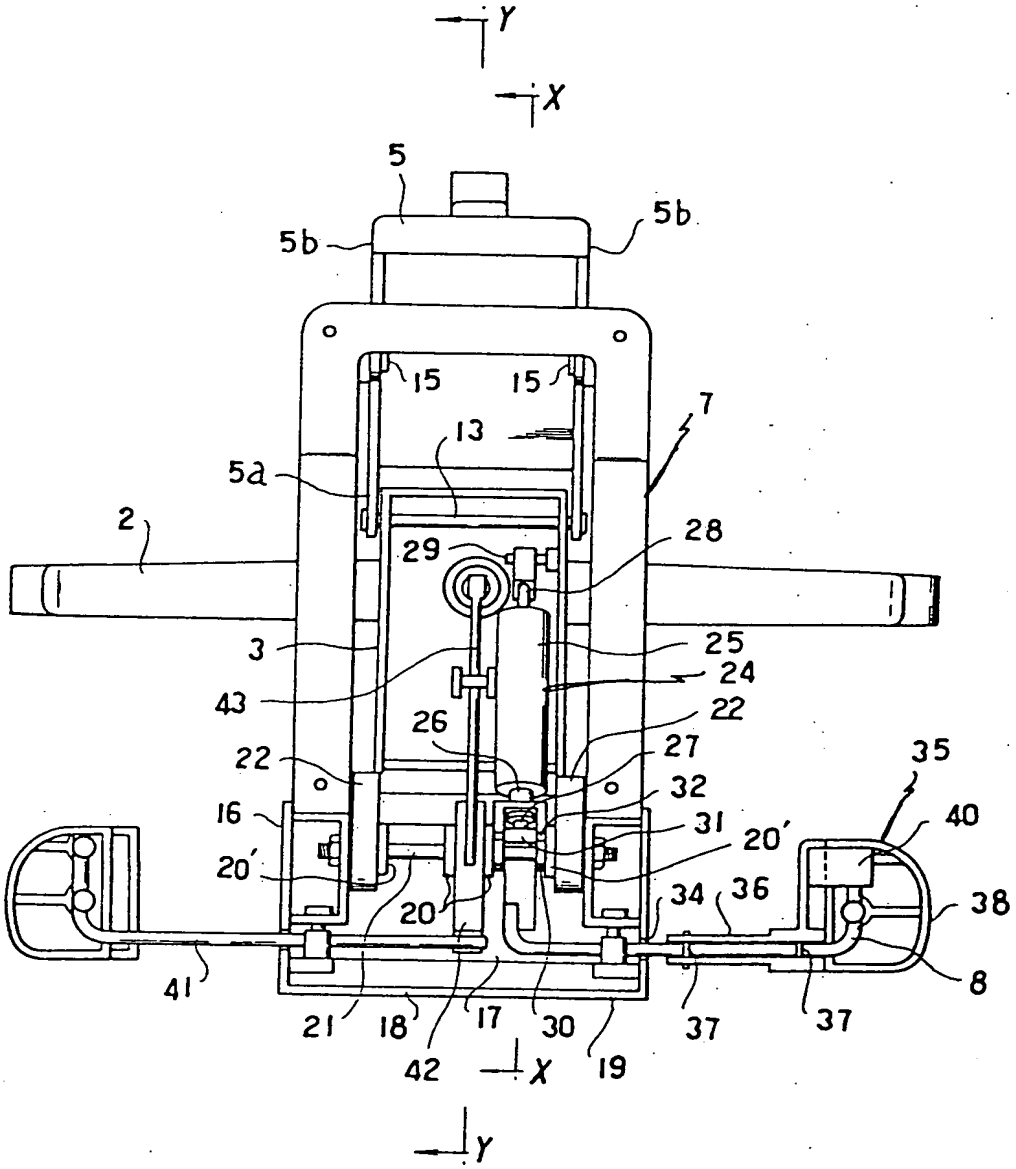
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FIG. 4

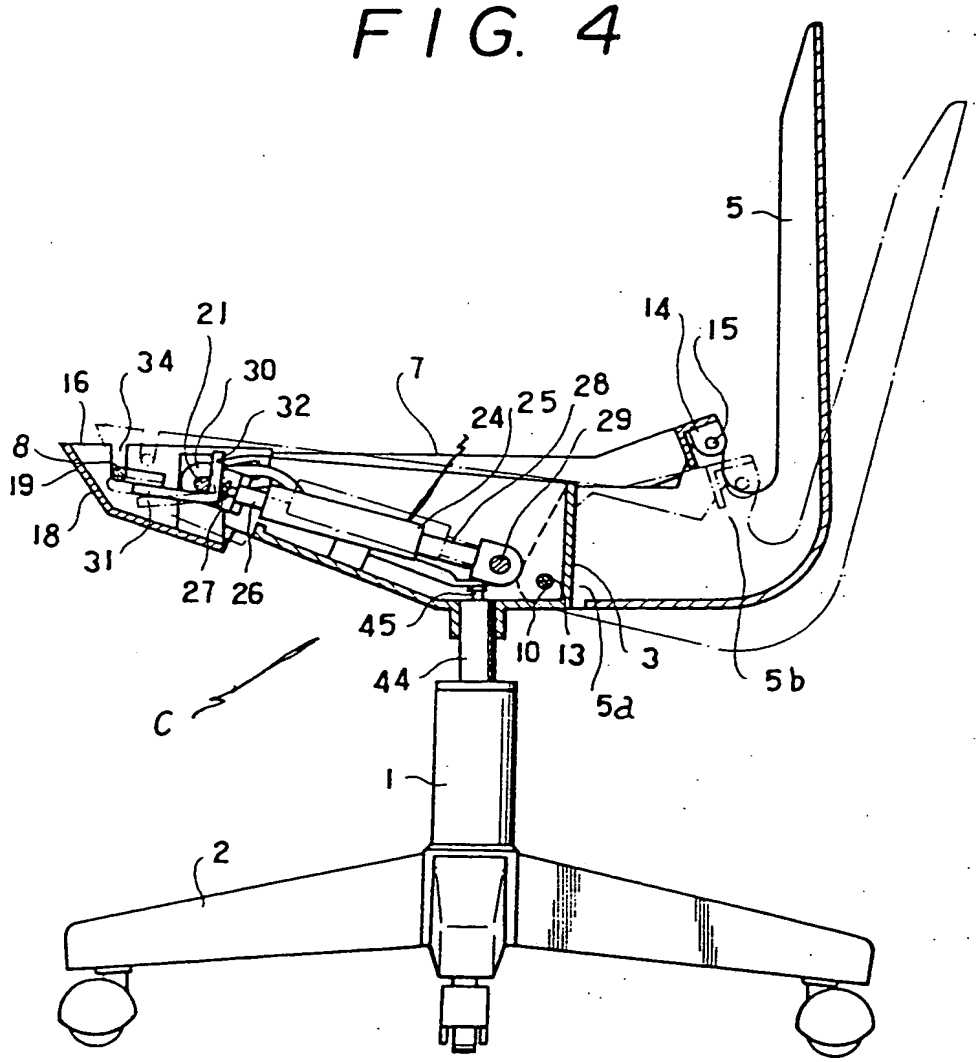
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FIG. 5

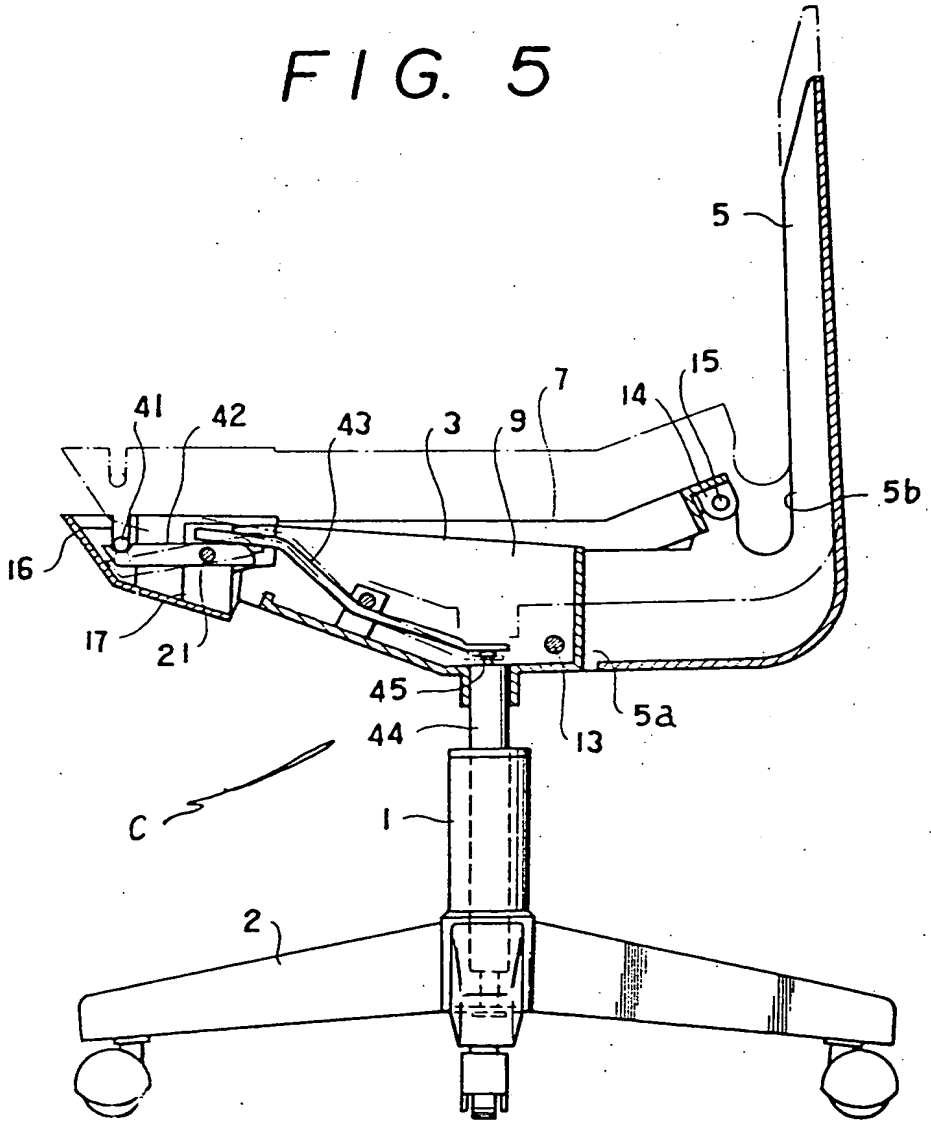

FIG. 6

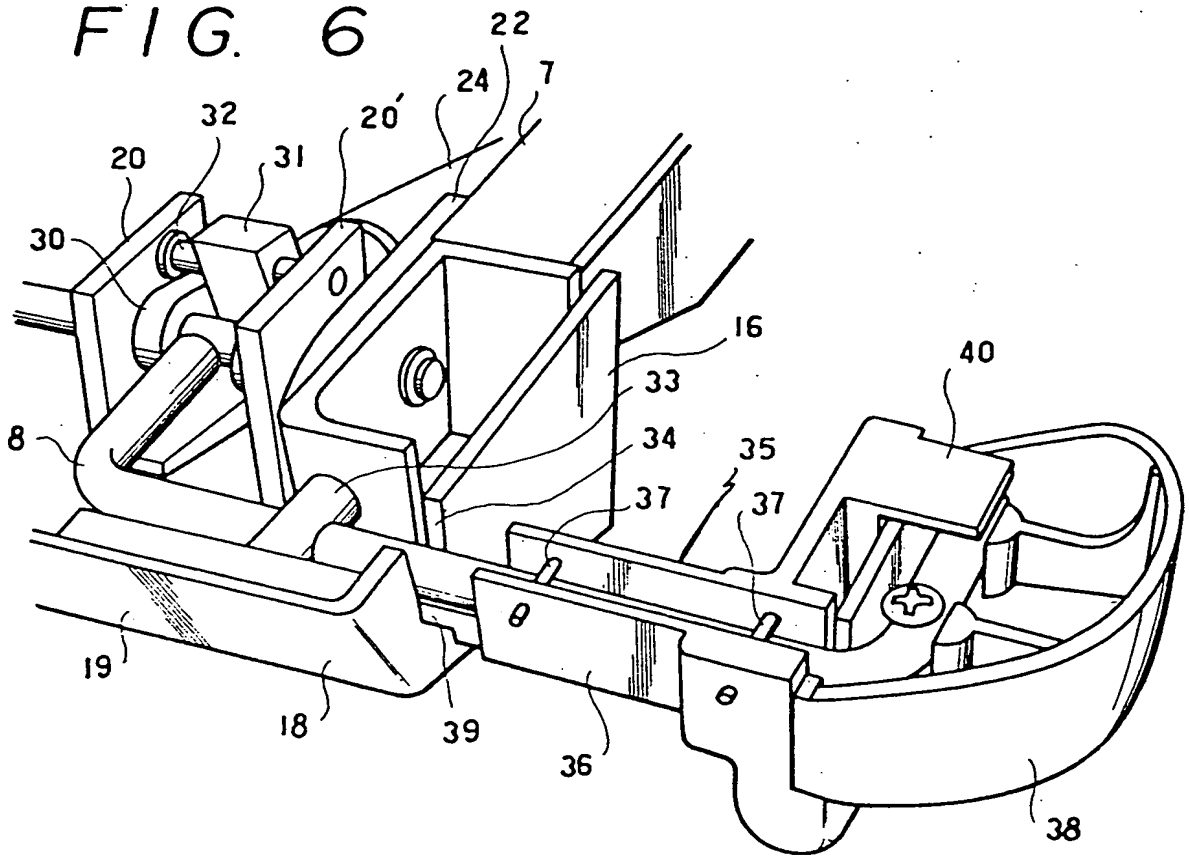
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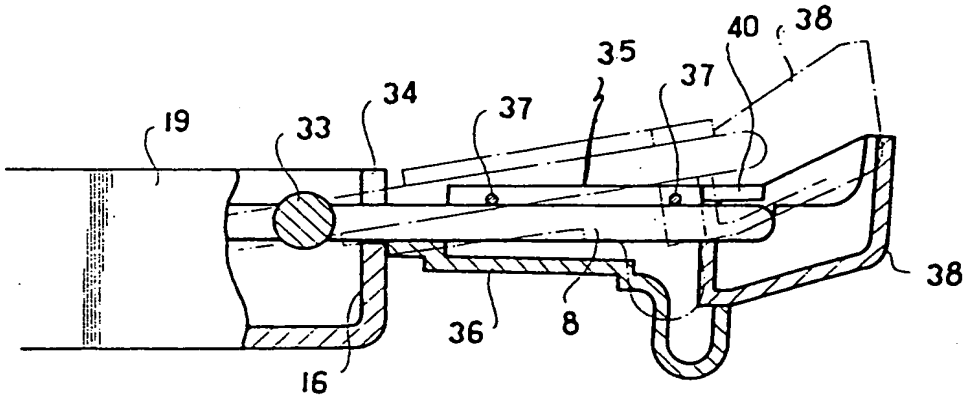
FIG. 7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